

Date: Wednesday, 15/04/2009 2:57:19 PM
 User: Melanie Fauteux

Process Sheet

Customer :	CU-DAR001 Dart Helicopters Services	Drawing Name :	HARNESS ASSEMBLY
Job Number :	47230		
Estimate Number :	13857		
P.O. Number :		Part Number :	D412702119B
This Issue :	15/04/2009	S.O. No. :	
Prsht Rev. :	NC	Drawing Number :	DSI9454 REV <i>A B</i>
First Issue :	/ /	Project Number :	N/A
Previous Run :		Drawing Revision :	<i>A B</i>
Written By :		Material :	
Checked & Approved By :	<i>mf 09-04-15</i>	Due Date :	20/04/2009
Comment :	est rev A 09.04.15 new issue EC verified by: DD		

Qty: 2 Um: Each

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	D3925041	Seatbelt Reel Bracket Assembly
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Comment: Qty.: 1.0000 Each(s)/Unit Total : 2.0000 Each(s)
 Seatbelt Reel Bracket Assembly

B47234

mf 09-04-24

2.0	D3579048	Shoulder Harness
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Comment: Qty.: 1.0000 Each(s)/Unit Total : 2.0000 Each(s)
 SHOULDER HARNESS ASS'Y
 batch: B 45 573

EP 09/04/23

3.0	MS24694S50	Screw
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Comment: Qty.: 4.0000 Each(s)/Unit Total : 8.0000 Each(s)
 Screw
 batch: M111020

EP 09/04/23

4.0	AN960JD10L	Washer
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Comment: Qty.: 4.0000 Each(s)/Unit Total : 8.0000 Each(s)
 Washer
 batch: M 109632

EP 09/04/23

5.0	MS21042L3	Nut
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Comment: Qty.: 4.0000 Each(s)/Unit Total : 8.0000 Each(s)
 Nut
 batch: M110844

EP 09/04/23

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: HARNESS ASSEMBLY

Job Number: 47230

Part Number: D412702119B

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

SMALL FAB 1

SMALL & MEDIUM FAB RESOURCE 1



Comment: SMALL & MEDIUM FAB RESOURCE 1

Assemble as per dwg DSI9454

7.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

8.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify with P/N & CHG# and pack for shipping as per PPP D412-702-119B CHG001

Location: _____

PPP Rev: _____

PPP 47227

9.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



MF
09-04-24

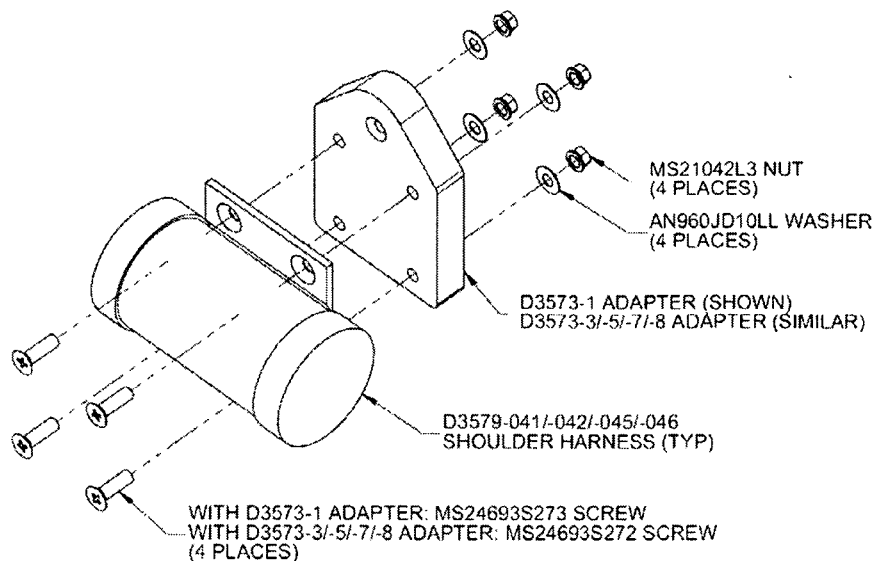
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

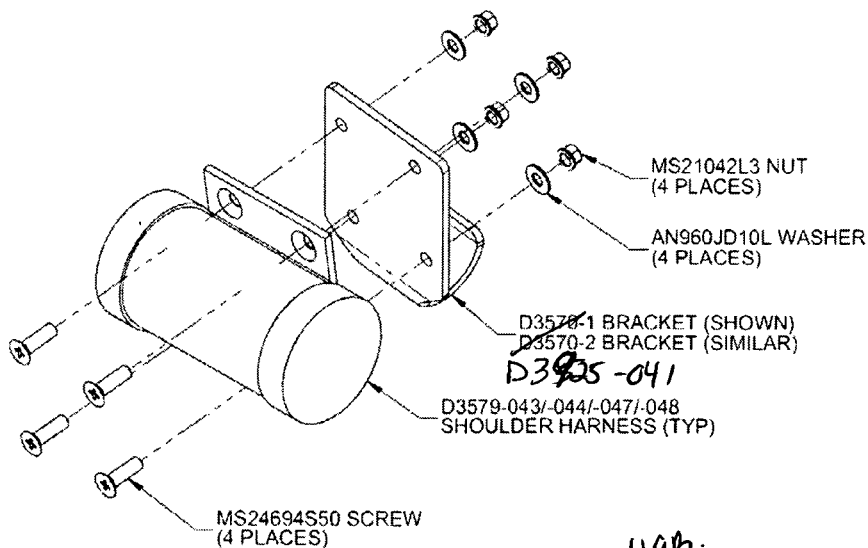
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



**DETAIL 'K' D412-702-101A/-103A/-105A/-107A/-109A/-115A/-117A AND
D412-702-101B/-103B/-105B/-107B/-109B/-115B/-117B HARNESS ASSEMBLIES**
(BELTS, K6.2 CLIP AND D3569-1/-2/-3 DECAL NOT SHOWN)



DETAIL 'L' D412-702-111A/-111B/-113A/-113B HARNESS ASSEMBLIES
(BELTS AND D3569-1/-2/-3 DECALS NOT SHOWN)

47230

AS 09.04.22

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DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-702 REV. E AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-702 REV. 3

REF TCCA STC SH04-7

REF FAA STC SR01997NY

REF EASA STC EASA.I.M.R.S.00710

PURPOSE

THE PURPOSE OF THIS DSI IS TO ADD THE D214-702-037B AFT FACING SHOULDER HARNESS KITS FOR THE 5-MAN AFT FACING SEAT THAT IS INSTALLED ON THE 214B/B1 MODEL AIRCRAFT.


PARTS LIST

QTY -037B	PART NUMBER	DESCRIPTION
X	D214-702-037B	DART 5-MAN 3 POINT AFT FACING SHOULDER HARNESS KIT
1	D412-702-111B	HARNESS ASSEMBLY (EXISTING)
1	D412-702-113B	HARNESS ASSEMBLY (EXISTING)
1	D412-702-121B	HARNESS ASSEMBLY (NEW)
1*	D3570-3	BRACKET
1*	D3579-047	SHOULDER HARNESS ASSEMBLY
4*	MS24694S50	BOLT
4*	AN960JD10L	WASHER
4*	MS21042L3	NUT
1	D412-702-123B	HARNESS ASSEMBLY (NEW)
1*	D3570-4	BRACKET
1*	D3579-048	SHOULDER HARNESS ASSEMBLY
4*	MS24694S50	BOLT
4*	AN960JD10L	WASHER
4*	MS21042L3	NUT

W/O
47230

CONTINUES ON SHEET 2

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
APPROVED	
BY:	
D. SHEPHERD (DE # 02)	
DATE:	09.04.22
CERT. NO.:	SH04-7
ISSUE NO.:	3

B	SHEET 2 P/L AN4-25A BOLT WAS AN4-22A. SHEET 3 DETAIL A, ADDITIONAL ROW OF FASTENERS ADDED. SEE PAR 09-014.		AJS	09.04.22
A	NEW ISSUE		AJS	09.03.31
REV.	DESCRIPTION		BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN	AJS			
CHECKED		DRAWING NO.	REV. B	
MFG. APPR.	N/A	DSI 9454	SHEET 1 OF 4	
APPROVED		TITLE	SCALE	
DE APPR.		NEW INSTALLATION FOR 214B/B1	NTS	
DATE	09.04.22	COPYRIGHT © 2009 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>		

CONTINUED FROM SHEET 1

PARTS LIST

QTY -037B	PART NUMBER	DESCRIPTION
X	D214-702-037B	DART 5-MAN 3 POINT AFT FACING SHOULDER HARNESS KIT
1	D412-702-119B	HARNESS ASSEMBLY (NEW)
1*	D3925-041	SEATBELT REEL BRACKET ASSY
1*	D3579-048	SHOULDER HARNESS ASSEMBLY
4*	MS24694S50	BOLT
4*	AN960JD10L	WASHER
4*	MS21042L3	NUT
1	D3920-041	SEATBELT GUIDE ASSEMBLY
2	D3920-5	SEATBELT GUIDE
1	AN4-16A	BOLT
1	AN4-21A	BOLT
7	AN4-25A	BOLT
18	AN960JD416	WASHER
9	MS21042L4	NUT

WEIGHT & BALANCE

INSTALLATION	WEIGHT	LATERAL		LATERAL	
		ARM	MOMENT	ARM	MOMENT
D214-702-037B, DART 5-MAN 3 POINT AFT FACING SHOULDER HARNESS KIT	13.9 lb 6.3 kg	0 in 0 m	0 in 0 m	87 in 2.21 m	1209 in lb 13.9 m kg

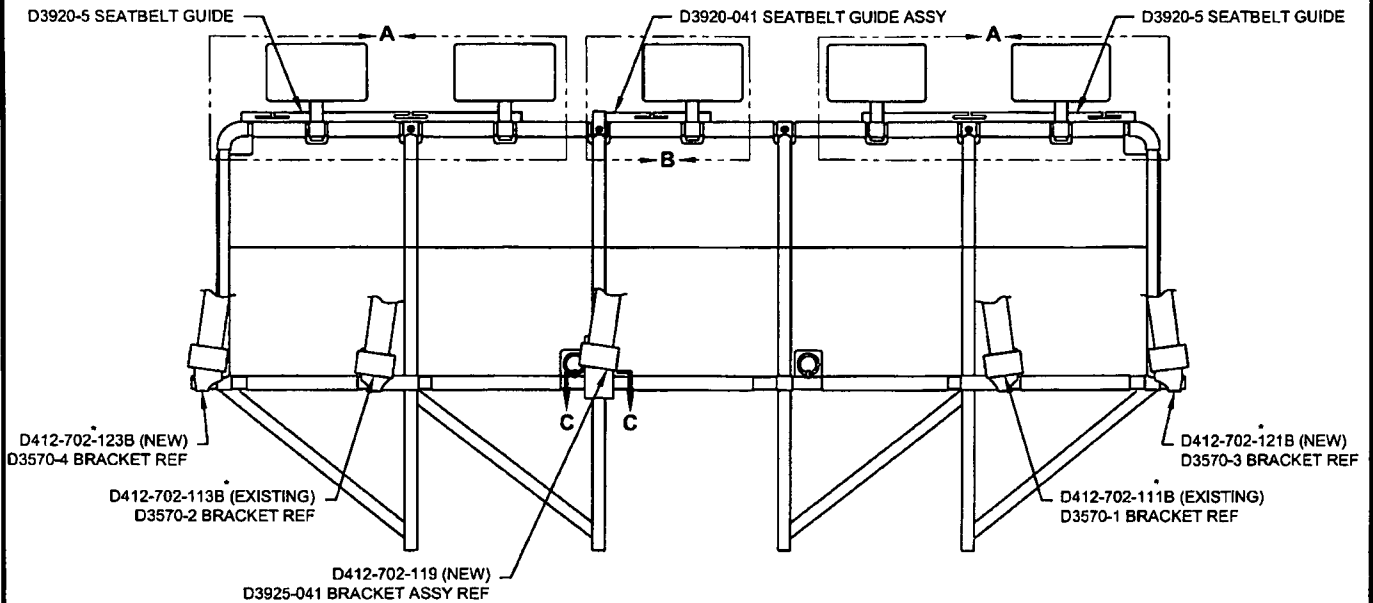
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CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

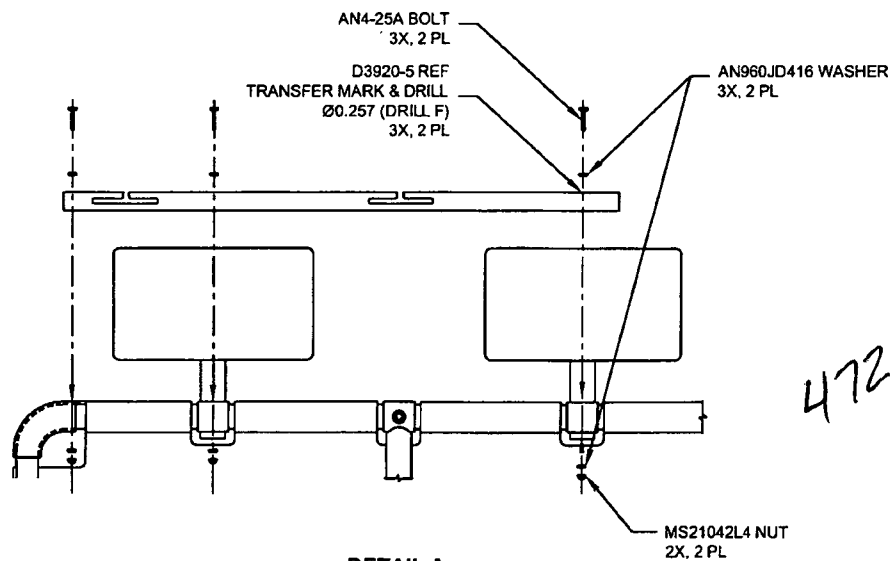
APPROVED
BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 09.04.22
CERT. NO.: SH04-7
ISSUE NO.: 3

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9454	SHEET 2 OF 4
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	NEW INSTALLATION FOR 214B/B1	NTS
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**VIEW LOOKING AT BACK OF SEAT
(FACING AFT)**



**DETAIL A
2 PL
SCALE 2X**

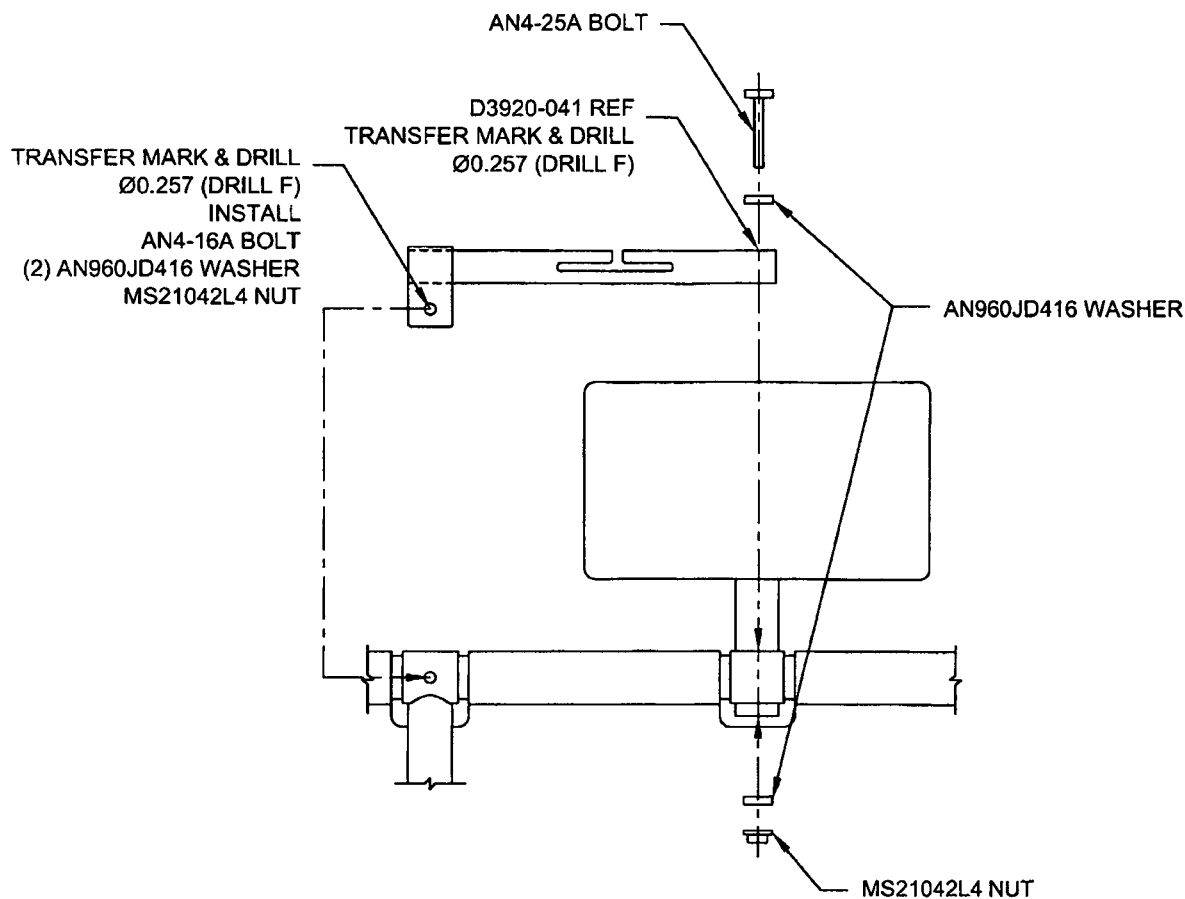
CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: *[Signature]*
D. SHEPHERD (DE # 02)

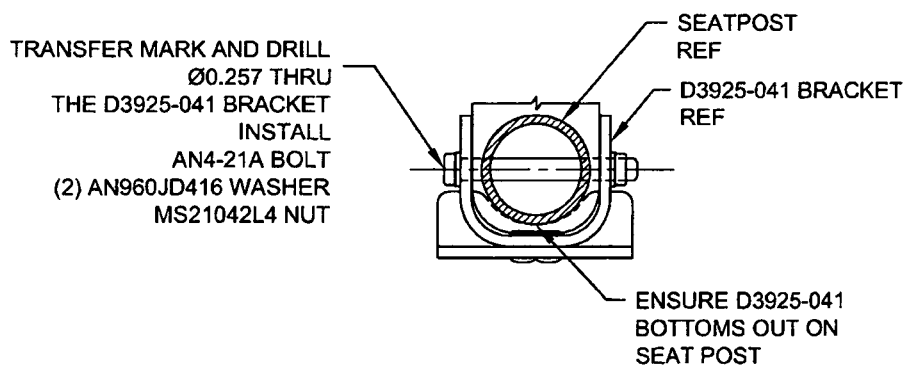
DATE: 09.04.22
CERT. NO.: SH04-7
ISSUE NO.: 3

* INSTALL D3570-X BRACKETS PER VIEW H OF OF IIN-D412-702 & ICA-D412-702.

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	<i>[Signature]</i>	DRAWING NO. DSI 9454	REV. B SHEET 3 OF 4
MFG. APPR.	N/A	TITLE NEW INSTALLATION FOR 214B/B1 SCALE NTS	
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DATE	09.04.22		



DETAIL B



SECTION C-C

SCALE 2X

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 09.04.22
CERT. NO.: SH04-7
ISSUE NO.: 3

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9454	SHEET 4 OF 4
APPROVED	<i>[Signature]</i>	TITLE	SCALE
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